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P. 57

ABSTRACT OF THE DISCLOSURE

ention relates to a new method of digital FM demodulator that s as timing reference and the concept of delta-sigma nverter to implement the function of time-to-digital if demodulator comprising delay lines, multiplexer, phase and digital integrator. The modulation te frequency segment will pass through delay lines around compare with original input modulation signal, and the nverted into voltage and store in capacitor by way of charge antized voltage has been accumulated, then re-select a signal to compare its phase with input signal. This system a feedback system. This quantized digital signal again pass Fiter to filter out high frequency quantized noise to get the station signal.

mbines the function of demodulation and analog-to-digital

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